

[www.alhayaqatar.com](http://www.alhayaqatar.com)



**AL HAYA**  
**WASTE TREATMENT FACTORY**

ZERO WASTE TO LANDFILL SERVICE PROVIDER

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## ABOUT US

Al Haya Waste Treatment Factory Established in 2011; serving in the sector of Hazardous waste collection, treatment & disposal of hydrocarbon sludge, contaminated soil, spent catalyst waste, bio - sludge, waste oil recycling & waste wax recycling.

We achieved zero waste to landfill innovation with the efforts of our R&D team by effectively recycling all the secondary waste we produced and manufacturing eco friendly building products from them.



AL HAYA  
ENVIRO.W.L.L

AL HAYA  
WASTE  
TREATMENT  
FACTORY

AL HAYA WASTE  
MANAGEMENT & PROJECTS

PLASTIC WASTE  
RECYCLING FACTORY

ATOMIX WATER  
SOLUTIONS

# VISION

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To sustain the achieved zero waste to landfill, in the Hazardous waste disposal sector and be a roll model to others in the waste management & disposal sector.

# MISSION

To combine high-level technical expertise and the best available technology, in the field of Environmental Protection, by offering high quality eco friendly products and services, with effective contributions to sustainable development. This ambition is supported by asserting the values of professionalism, partnership and research for the benefit of future generations.

# SCOPE

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Al Haya provides hazardous waste disposal and hydrocarbon recovery services from solid, liquid, semi-solid and bio sludge waste.

Al Haya provides the collection & disposal of Marine waste, recovering hydrocarbons and producing fuel oils which shall be used in furnaces.

The factory operates at Mesaieed waste treatment zone, covering 30,000 m<sup>2</sup> land, adopts latest state of the art pyrolysis technology for treating hazardous waste.



# SERVICES

## **Integrated Waste Management Services**

We provide integrated waste management services for the treatment & disposal of Hazardous & Non hazardous materials.

Our facility includes Centrifuge system, Dehydration system, High COD water treatment system, Wiped film evaporators, Thermal oxidizers, Pyrolysis system, Wax Treatment system, Waste collection fleets, Storage & export of products.

## **Sludge Treatment & Disposal Services**

We provide expert services in treatment of various types of sludge. We accept pasty form, liquid & solid form of Hydrocarbon sludge upto (80%) contamination .

We produce syn gas from the sludge through pyrolysis process and the syngas is used for further fuel requirements of the facility. The left over from the treatment is ash ( which is BIO-CHAR ), Bio-char is one of best soil enhancer, high in NPK percentage.



## **Spent Catalyst Treatment & Disposal Services**

The spent catalyst disposal services is to remove the Hydrocarbon content from the spent catalyst by pyrolysis method. The hydrocarbon from the waste will be transformed into syngas and the left over Bio-char is rich in precious metals. The bio-char shall be packed and sent to the precious metal recovery centres.

## **Contaminated Soil Remediation & Disposal Services**

The contaminated soil with the hydrocarbon will be accepted at our facility to recover the hydrocarbon and less than 1% LOI will be achieved for the soil which shall be later reused as a back fill material.



## **Waste Oil Recycling & Marpol Waste Disposal Services**

We accept & treat the various types of contaminated waste oils, from the process industries ,ships, marine vessels. Etc.

Through a world class process, we recover the hydrocarbons producing the FURNACE OIL. Furnace oil a high calorific value fuel, which shall be used in furnaces and boilers as a fuel.

## **Contaminated Wax Treatment & Disposal Services**

We provide services for collection, treatment & disposal of contaminated waxes from the process industries. The waste wax will be treated in various cleaning methods to achieve the quality white color waxes and gray colour waxes.

We supply wax in drums across the world as per their requirements to produce various products from the recycled wax.

## **Used Lube Oil Recycling**

Al Haya collects the used lube oil across Qatar and treat at our facility in Mesaieed. We produce Base oil SN650 and export to various customers across the world.

Our facility is installed with wiped film evaporator for recycling of used Lube oil and produces quality products.

# PRODUCTS

**Furnace Oil**



**Recycled Base Oil Grade 1**



**Recycled Base Oil Grade 2**



**Biochar**





## Yellow Wax



## White Wax



### Building Products From Waste (PB Bricks)

Al Haya achieved ZERO WASTE TO LANDFILL in the sludge treatment process. The sludge is treated with pyrolysis and the bio-char is used to make building products.

The PB bricks are available in various shapes & sizes for using as a pavement block as well as interlocks for compound walls etc. The blocks are 250% stronger than conventional cement bricks.



Interlock Paving block






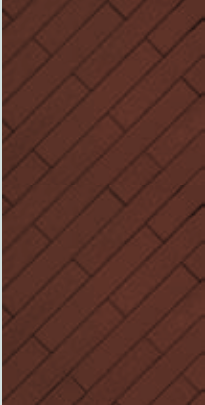


Rectangular Brick



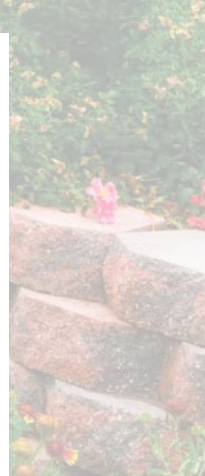
Interlock Block

# BUILDING PRODUCTS

	Interlock Paving block	Rectangular Brick	Interlock Block
Interlock Name and Shape			
Thickness (mm)	50 mm	50 mm	80 mm
Size (mm)	170 x 190 mm	100 x 195 mm	135 x 260 mm
Layout			







# ZERO WASTE TO LANDFILL SERVICE PROVIDER



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